

In the Claims:

Amend the claims as follows:

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1. (Original) A method for controlling a transmission power level in a digital subscriber line, characterized in that transmission power levels of several digital subscriber lines are controlled simultaneously by the method comprising the steps of - measuring crosstalk properties for each subscriber line in different situations; - estimating crosstalk values from the measured crosstalk properties; - organizing the crosstalk values of the different situations; and - controlling the transmission power levels using the organized crosstalk values.

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2. (Original) A method according to claim 1, characterized in that the method comprises a preliminary step before the measuring step for send-ing line specific test signals from a transmitting end to a receiving end in each line from which the crosstalk properties are measured.

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3. (Original) A method according to claim 2, characterized in that the test signal of each subscriber line is sent sequentially in such a way that signal levels of the test signal are sequent specific and a combination of the parallel sequences of the digital subscriber lines is time sequence specific.

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4. (Currently amended) A method according to claim 2 ~~or 3~~, characterized in that crosstalk properties are power levels of the test signals.

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5. (Currently amended) A method according to claim 2, ~~3, or 4~~ characterized in that when estimating the crosstalk values,

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information from the test signals are used.

6. (Currently amended) A method according to ~~any of~~ claims 1-5, characterized in that matrices are used when organizing the crosstalk values.

7. (Currently amended) A method according to ~~any of~~ claims 1-6, characterized in that SNR limitations are taken into account when controlling the transmission power levels.

8. (Original) A method according to claim 7, characterized in that the control of the transmission power levels are made equally so that the crosstalk is distributed in an even and fair manner to the subscriber lines.

9. (Original) A method according to claim 7, characterized in that the control of the transmission power levels are made so that the crosstalk is distributed in such a way that more crosstalk can be accepted for lower service class lines.

10. (Currently amended) A method according to ~~any of~~ claims 1-9, characterized in that the measurements are made off-line.

11. (Currently amended) A method according to ~~any of~~ claims 1-9, characterized in that the measurements are made on-line.

12. (Currently amended) A method according to ~~any of~~ claims 1-11, characterized in that the digital subscriber lines are VDSL lines.

13. (Currently amended) A method according to ~~any of~~ claims 1-12, characterized in that the measurements are made in advance, before controlling the transmission powers of the lines.

14. (Currently amended) A method according to ~~any of claims~~  
1-13, characterized in that the crosstalk values are  
crosstalk power level values.

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15. (Currently amended) A method according to ~~any of claims~~  
1-13, characterized in that the crosstalk values are  
crosstalk coefficient values.

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16. (Currently amended) A method according to ~~any of claims~~  
1-15, characterized in that the measurements are made from a  
downstream signal.

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17. (Currently amended) A method according to ~~any of claims~~  
1-15, characterized in that the measurements are made from an  
upstream signal.

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18. (Original) An arrangement for controlling a transmission  
power level in a digital subscriber line, characterized in  
that the arrangement controls transmission power levels of  
several digital subscriber lines simultaneously, comprising:  
- means for measuring crosstalk values for each subscriber  
line in different situations; - means for organizing the  
crosstalk values of the different situa- tions; and - means  
for controlling the transmission power levels using the  
organized crosstalk values.

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19. (Original) An arrangement according to claim 16,  
characterized in that the arrangement comprises means for  
sending line specific test sig- nals from a transmitting end  
to a receiving end in each line wherein the measuring means  
exits.

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20. (Original) An arrangement according to claim 19,  
characterized in that the test signal of each subscriber line

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is sent sequentially in such a way that signal levels of the test signal are sequent specific and a combination of the parallel sequences of the digital subscriber lines is time sequence specific.

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21. (Currently amended) An arrangement according to claim 19 ~~or 20~~, 18 characterized in that crosstalk properties are power levels of the test signals.

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22. (Currently amended) An arrangement according to claim 19, ~~20, or 21~~ characterized in that when estimating the crosstalk values, information from the test signals are used.

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23. (Currently amended) An arrangement according to ~~any of claims 1-22~~, characterized in that matrices are used when organizing the crosstalk values.

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24. (Currently amended) An arrangement according to ~~any of claims 18-23~~, characterized in that SNR limitations are taken into account when controlling the transmission power levels.

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25. (Original) An arrangement according to claim 24, characterized in that the control of the transmission power levels is made equally so that the crosstalk is distributed in an even and fair manner to the subscriber lines.

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26. (Original) An arrangement according to claim 24, characterized in that the control of the transmission power levels is made so that the crosstalk is distributed in such a way that more crosstalk can be accepted for lower service class lines.

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27. (Currently amended) An arrangement according to ~~any of claims 18-26~~, characterized in that the measurements are made

off-line.

28. (Currently amended) An arrangement according to ~~any of~~  
claims 18-26, characterized in that the measurements are made  
5 on-line.

29. (Currently amended) An arrangement according to ~~any of~~  
claims 18-28, characterized in that the digital subscriber  
lines are VDSL lines.

10 30. (Currently amended) An arrangement according to ~~any of~~  
claims 18-29, characterized in that the measurements are made  
in advance before controlling the transmission powers of  
the lines.

15 31. (Currently amended) An arrangement according to ~~any of~~  
claims 18-30, characterized in that the crosstalk values are  
crosstalk power level values.

20 32. (Currently amended) An arrangement according to ~~any of~~  
claims 18-30, characterized in that the crosstalk values are  
crosstalk coefficient values.

25 33. (Currently amended) A method according to ~~any of~~ claims  
18-32, characterized in that the measurements are made from a  
downstream signal.

30 34. (Currently amended) A method according to ~~any of~~ claims  
18-32, characterized in that the measurements are made from  
an upstream signal.